FIG. 1

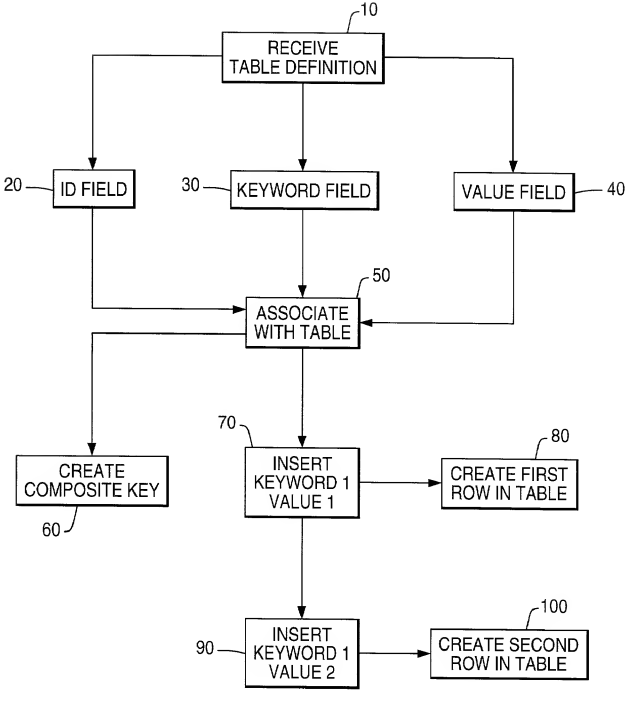

10
RECEIVE TABLE DEFINITION
20
ID FIELD
30
KEYWORD FIELD
VALUE FIELD
40
50
ASSOCIATE WITH TABLE
70
CREATE COMPOSITE KEY
60
INSERT KEYWORD 1 VALUE 1
80
CREATE FIRST ROW IN TABLE
100
90
INSERT KEYWORD 1 VALUE 2
CREATE SECOND ROW IN TABLE

FIG. 2

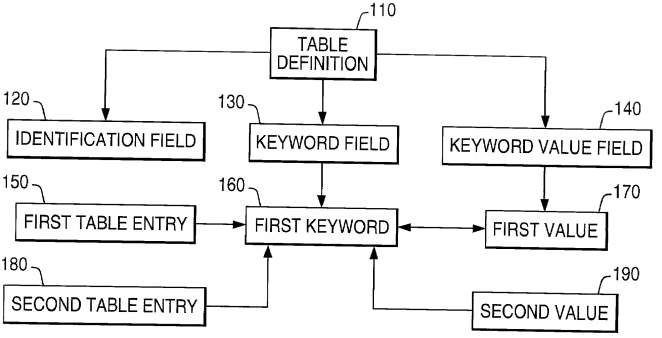

110
TABLE DEFINITION
120
IDENTIFICATION FIELD
130
KEYWORD FIELD
140
KEYWORD VALUE FIELD
150
FIRST TABLE ENTRY
160
FIRST KEYWORD
170
FIRST VALUE
180
SECOND TABLE ENTRY
190
SECOND VALUE

FIG. 3

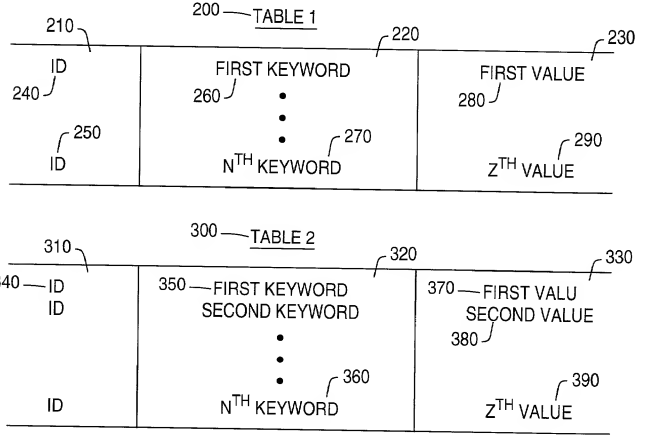

200 TABLE 1
210
220
230
ID
240
FIRST KEYWORD
260
FIRST VALUE
280
250
ID
270
N^TH KEYWORD
290
Z^TH VALUE
300 TABLE 2
310
320
330
340 ID
ID
350 FIRST KEYWORD
SECOND KEYWORD
370 FIRST VALU
SECOND VALUE
380
360
N^TH KEYWORD
390
Z^TH VALUE
ID

FIG. 4

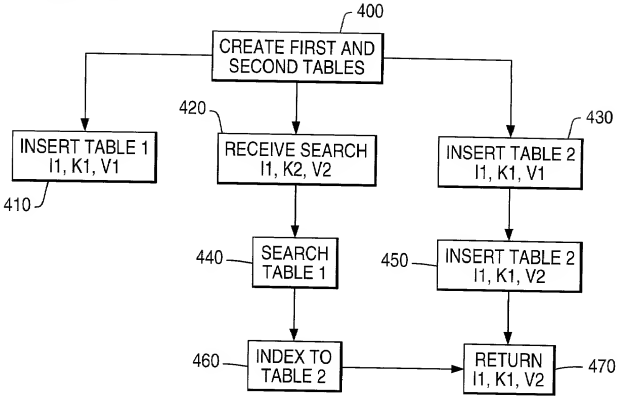
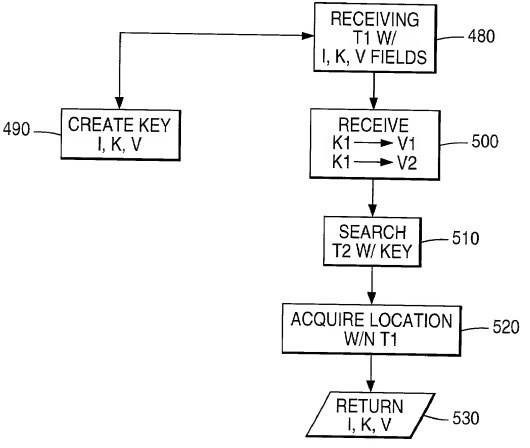

400
CREATE FIRST AND SECOND TABLES
INSERT TABLE 1 I1, K1, V1
410
420
RECEIVE SEARCH I1, K2, V2
430
INSERT TABLE 2 I1, K1, V1
440
SEARCH TABLE 1
450
INSERT TABLE 2 I1, K1, V2
460
INDEX TO TABLE 2
RETURN I1, K1, V2
470

FIG. 5


RECEIVING T1 W/ I, K, V FIELDS
480
490
CREATE KEY I, K, V
RECEIVE K1 → V1 K1 → V2
500
SEARCH T2 W/ KEY
510
ACQUIRE LOCATION W/N T1
520
RETURN I, K, V
530